

**To:** Eugenia Naranjo/R2/USEPA/US@EPA[]  
**From:** "Mathew, Rooni"  
**Sent:** Mon 11/5/2012 5:31:50 PM  
**Subject:** RE: Settling column  
[Naranjo.Eugenia@epa.gov](mailto:Naranjo.Eugenia@epa.gov)  
[RMathew@moffattnichol.com](mailto:RMathew@moffattnichol.com)  
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Hi Eugenia,

I'll check with Han.

I'm not sure yet if I can make it to CA next week, it depends on how the commute develops over the next few days. It took my wife about 2 hours to get to work on the bus today, and if that is the situation next week as well, she will have a tough time with the drop-off and pick-up from school at 8.30am and 5.30pm.

Rooni.

From: Naranjo.Eugenia@epamail.epa.gov [mailto:Naranjo.Eugenia@epamail.epa.gov]  
Sent: Sunday, November 04, 2012 6:49 PM  
To: Mathew, Rooni  
Subject: Re: Settling column

I can't remember whether I got back to you but I have a couple of questions for Han regarding 3. We are looking into doing the duplicate at a different dilution/concentration. At the site, we did a VERY ball park consolidation test dry run with leftover sediment from the tests.

We did a mix of APPROX 25% sediment and 75% water, the ballpark mixture consolidated into a 15-20 cm bed, but to run 5 intervals through SEDFlume we'll need more than that.

Also as per Ed's suggestion we took enough sediment samples at location 8 to do a dup, although I would like to do a duplicate at a different concentration at location 3 as well -provided we have enough sed.

Can you check with him:

- whether he has any suggestions for the seds/water mixture e.g. 35-40% seds and 65-60% water
- whether he would suggest doing an additional duplicate at location 3 with a different concentration

Let me know if you prefer to talk. It's good that you'll be at the lab!

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-----"Mathew, Rooni" <RMathew@moffattnichol.com> wrote: -----

To: Eugenia Naranjo/R2/USEPA/US@EPA  
From: "Mathew, Rooni" <RMathew@moffattnichol.com>  
Date: 10/24/2012 05:16PM  
Subject: Settling column

Eugenia,

Below are some thoughts we'd received from Han on the consolidation tests

1. When carrying out consolidation experiments, make sure water with Bay's salinity is used, and measure the initial concentration of the fine sediment suspension,
2. During the consolidation experiments, monitor the lowering of the interface; in the hindered settling phase (the first hour or so) frequently, then less frequent.
3. Do consolidation experiments at a series of initial concentrations, and make sure that consolidation is complete.

I would imagine that SEI is currently planning only to do 1 and 2 not 3? Could you verify this please? I'll check with Han on the significance of the 3rd. For 2, I'll check with him on the exact interval and get back to you. Hopefully tomorrow.

Rooni.